

FEDERAL ITEM IDENTIFICATION GUIDE

CONTROL, LIGHT

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Commander

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This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

- Index of Approved Item Names Covered by this FIIG
- Applicability Key Index
- Section I - Item Characteristics Data Requirements
- Section III - New text that should be here.
- Appendix A - Reply Tables
- Appendix B - Reference Drawing Groups (as applicable)
- Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign (\$) for an OR condition, or a double dollar sign (\$\$) for an AND condition, (5) the mode code, (6) the response or reply code

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(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

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This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

<u>MRC</u>	<u>Mode</u> <u>Code</u>	<u>Requirement</u>	<u>Example</u>
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

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INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
CONTROL, DIRECTIONAL SIGNAL LIGHT, AUTOMOTIVE	06106	A
An item which, when manually actuated, completes, interrupts, or changes the connections in the electrical circuit to control the operation of the directional signal lights on an automotive vehicle. It may include flasher mechanism.		
CONTROL, ELECTRIC LIGHT	01870	B
An item specifically designed to remotely control the intensity and/or the on-off operation of a light or lights. May be manually operated and/or actuated by the degree of surrounding light intensity or sound vibration. Do not use for autotransformers, rheostats, or switches which are used without the addition of other parts to accomplish this function.		
CONTROL, LIGHT, AIRCRAFT #	41341	B
A device designed to regulate and/or dim various lighting sources inside a helicopter. It is often used to dim panel lights and gages. It is made up of various components, such as solid state transistors. It does not contain silicon controlled rectifiers, relays, circuit breakers, or fuses.		
CONTROL, LIGHT BEAM	19561	C
A device which modulates the intensity of a beam of light directed at a photosensitive surface. The modulating action, however, does not completely close an aperture.		
CONTROL, MULTIFUNCTION, AUTOMOTIVE	35783	F
An item which is normally mounted on the steering column below the steering wheel of a motor vehicle, that performs a variety of functions. The respective actuators are pressed, flipped, pushed, pulled, or rotated to control the operation of the directional signal light, headlamp flasher, high-low beam, wiper, washer, horn, and the like. It may have cable assemblies or single conductor cords that provide correction with the circuitry. Excludes CONTROL, DIRECTIONAL SIGNAL LIGHT, AUTOMOTIVE.		
CONTROL, NAVIGATIONAL LIGHT	00930	D
A device which determines the mode of operation of navigational lights or light systems.		
CONTROL, SEARCHLIGHT	00942	E
A component which determines the mode of operation of a searchlight.		

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
EXPOSURE CONTROL, PHOTOLITHOGRAPHIC, LIGHT INTEGRATING	40118	B

A device used to automatically control the quantity of illumination required to expose lithographic plates or photographic negatives regardless of fluctuations in the source.

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APPLICABILITY KEY INDEX

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
NAME	X	X	X	X	X	X
STYL	X	X	X	X	X	X
ABGL	AR	AR	AR	AR	AR	AR
ABNM	AR	AR	AR	AR	AR	AR
ABRY	AR	AR	AR	AR	AR	AR
CLMQ	AR	AR	AR	AR	AR	AR
ABGL	AR	AR	AR	AR	AR	AR
ABKV	AR	AR	AR	AR	AR	AR
AEJZ	AR	AR	AR	AR	AR	AR
HGTH	AR	AR	AR	AR	AR	AR
ADNA	AR	AR	AR	AR	AR	AR
AEJZ	AR	AR	AR	AR	AR	AR
ABGL	AR	AR	AR	AR	AR	AR
ABRY	AR	AR	AR	AR	AR	AR
AEJZ	AR	AR	AR	AR	AR	AR
HGTH	AR	AR	AR	AR	AR	AR
ABGL	AR	AR	AR	AR	AR	AR
ABRY	AR	AR	AR	AR	AR	AR
HGTH	AR	AR	AR	AR	AR	AR
CQSJ	X	X	X	X	X	X
MDCL	AR	AR	AR	AR	AR	AR
CTFB	AR	AR	AR	AR	AR	AR
STDC	AR	AR	AR	AR	AR	AR
CQYW	X	X	X	X	X	
FTLD						X
AFLY	AR	AR	AR	AR	AR	AR
ALLB						AR
CSBH	AR	AR	AR	AR	AR	AR
TTQY						X
ALBY		X	X	X	X	
AFMD		AR				
CSSN		AR				
CRCQ		AR				
AXHR	AR	AR	AR	AR	AR	
CBBL	AR	AR	AR	AR	AR	AR
FEAT	AR	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR	AR
NHCF	AR	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR	AR

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AFMC	AR	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR	AR
CBME	AR	AR	AR	AR	AR	AR
PKDW	AR	AR	AR	AR	AR	AR
BBRG	AR	AR	AR	AR	AR	AR
AFJN	AR	AR	AR	AR	AR	AR
ABHP	AR	AR	AR	AR	AR	AR
ABMK	AR	AR	AR	AR	AR	AR
ABKW	AR	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR	AR
HZRD	AR	AR	AR	AR	AR	AR

SECTION I

APP Key	MRC	Mode Code	Requirements
------------	-----	--------------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code . (e.g., NAMED06106*)

ALL

STYL	L	STYLE DESIGNATOR
------	---	------------------

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable style number from [Appendix B](#), Reference Drawing Group A, B, C, D or E. (e.g., STYLLB4*)

NOTE FOR MRCS CQSJ, MDCL, CTFB, AND STDC: SEE APPENDIX C, TABLE 4 FOR CLARIFICATION OF TERMS AND RECORDING INSTRUCTIONS FOR THESE MRCS.

ALL (See Note Above)

CQSJ	D	INCLOSURE MATERIAL
------	---	--------------------

Definition: THE CHEMICAL COMPOUND OR MECHANICAL MIXTURE PROPERTIES OF WHICH THE INCLOSURE IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., CQSJDSTA000*; CQSJDALB000\$DSTA000*; CQSJDALB000\$DSTA000*)

ALL* (See Note Preceding MRC CQSJ)

MDCL	J	MATERIAL DOCUMENT AND CLASSIFICATION
------	---	--------------------------------------

Definition: THE SPECIFICATION, STANDARD, OR MANUFACTURERS REFERENCE, AND THE CLASSIFICATION DESIGNATION, SUCH AS CLASS, CONDITION, TEMPER, AND THE LIKE, THAT IDENTIFIES THE MATERIAL.

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SECTION I

APP Key	MRC	Mode Code	Requirements
<p>Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the document designator and classification.</p> <p>(e.g., MDCLJBAQQ-A-250/8, H32*;</p> <p>MDCLJBBQQ-A-250/8, H32\$\$JBCQQ-S-637*;</p> <p>MDCLJBBQQ-A-225/8\$JBBQQ-A-250/8\$\$JBCQQ-S-637*)</p>			

Table 1

<u>REPLY CODE</u>	<u>REPLY (AP33)</u>
G	ASSN STD
B	FED SPEC
C	FED STD
F	MFR REF
D	MIL SPEC
E	MIL STD
H	NATIONAL SPEC

Table 2

<u>REPLY CODE</u>	<u>REPLY (AP18)</u>
G	ALL MATERIAL RESPONSES (use only when all material is controlled by the same document and classifications are identical)
A	SINGLE MATERIAL RESPONSE
B	1ST MATERIAL RESPONSE
C	2ND MATERIAL RESPONSE
D	3RD MATERIAL RESPONSE
E	4TH MATERIAL RESPONSE
F	5TH MATERIAL RESPONSE

ALL* (See Note Preceding MRC CQSJ)

CTFB D INCLOSURE SURFACE TREATMENT

Definition: THE METALLIC, NONMETALLIC, AND/OR CHEMICAL PROPERTIES WITH WHICH THE INCLOSURE IS PLATED, DIPPED, AND/OR COATED. THE TREATMENT IS DESIGNED TO PROTECT THE SURFACE(S) AND CANNOT BE WIPED OFF.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 2. (e.g., CTFBDCDA000*; CTFBDCDA000\$\$DENA000*; CTFBDCDA000\$DENA000*)

ALL* (See Note Preceding MRC CQSJ)

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SECTION I

APP Key	MRC	Mode Code	Requirements
	STDC	J	SURFACE TREATMENT DOCUMENT AND CLASSIFICATION

Definition: THE SPECIFICATION, STANDARD, OR MANUFACTURERS REFERENCE, AND THE CLASSIFICATION DESIGNATION, SUCH AS TYPE, CLASS, GRADE, AND THE LIKE, THAT IDENTIFIES THE SURFACE TREATMENT MATERIAL.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the document designator and classification.

(e.g., STDCJBAQQ-P-416, TYPE 1, CLASS 1*;

STDCJGBAMS2416\$\$JBCTT-E-529*;

STDCJGBAMS2400\$JGBAMS2416\$\$JBCTT-E-529*)

Table 1

REPLY CODE

G

B

C

F

D

E

H

REPLY (AP33)

ASSN STD

FED SPEC

FED STD

MFR REF

MIL SPEC

MIL STD

NATIONAL SPEC

Table 2

REPLY
CODE

G

A

B

C

D

E

F

REPLY (AP39)

ALL TREATMENT RESPONSES (use only when all treatment is controlled by the same document and classifications are identical)

SINGLE TREATMENT RESPONSE

1ST TREATMENT RESPONSE

2ND TREATMENT RESPONSE

3RD TREATMENT RESPONSE

4TH TREATMENT RESPONSE

5TH TREATMENT RESPONSE

A, B, C, D, E

CQYW

H

OPERATING FUNCTION AND METHOD

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SECTION I

APP		Mode	
Key	MRC	Code	Requirements

Definition: THE FUNCTION OF AN ITEM AND THE MEANS BY WHICH IT IS OPERATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below. (e.g., CQYWHBABK*; CQYWHBABK\$\$HCABN*)

Table 1

REPLY CODE

B

C

REPLY (AP25)

ACTUATION

DEACTUATION

Table 2

REPLY CODE

ABH

ABJ

ABK

ABL

ABM

ABN

ABP

REPLY (AC58)

KEY LEVER

KNOB

LEVER

LIGHT INTENSITY

SOUND VIBRATION

SWITCH (includes pushbutton)

TIMER

F

FTLD	G	FUNCTIONAL DESCRIPTION
------	---	------------------------

Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.

Reply Instructions: Enter the reply in clear text. (e.g., FTLDGCONTROL ELEMENT FOR FLASH ON AND OFF, WIND SCREEN WIPING AND WASHING, PARKING LIGHTS AND/OR DIPPED HEADLIGHTS*)

ALL*

AFLY	D	FUNCTIONING SIGNAL METHOD
------	---	---------------------------

Definition: THE MEANS (AUDIBLE, VISUAL, AND THE LIKE) USED TO SIGNIFY THAT THE ITEM IS FUNCTIONING.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFLYDAB*)

REPLY CODE

AB

AC

REPLY (AD51)

AUDIBLE CLICK

DIAL INDICATOR

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SECTION I

APP Key	MRC	Mode Code	Requirements
		AD	INDICATOR LIGHTS

NOTE FOR ALLB: IF ELECTRIC CABLE IS FURNISHED, REPLY TO MRC ALLB.

F* (See Note Above)

ALLB J CABLE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE CABLE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ALLBJAA36.000*; ALLBJLA910.0*; ALLBJAB36.000\$\$JAC36.250*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

ALL*

CSBH J VOLTAGE IN VOLTS AND CURRENT TYPE

Definition: THE TOTAL ELECTRICAL VOLTAGE, EXPRESSED IN VOLTS, AND THE TYPE OF CURRENT WHETHER ALTERNATING OR DIRECT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CSBHJAC110.0*; CSBHJAC110.0\$\$JAC115.0\$\$JDC230.0*)

REPLY CODE

AC
DC

REPLY (AN87)

AC
DC

F

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SECTION I

APP Key	MRC	Mode Code	Requirements
TTQY	J		TERMINAL TYPE AND QUANTITY

Definition: INDICATES THE TYPE AND NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 5, followed by the quantity. (e.g., TTQYJAFH9*; TTQYJAFH9\$\$JACC2*).

B, C, D, E

ALBY D USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALBYDAAT*; ALBYDAAT\$\$DAAV*; ALBYDAAT\$DAAV*)

REPLY CODE

AAT
AAV

REPLY (AH21)

INDOOR
OUTDOOR

B*

AFMD D CONTROL CONTACT ARRANGEMENT

Definition: A DESIGNATION THAT DESCRIBES THE BASIC ELECTRICAL CONFIGURATION OF A CONTROL CONTACT ARRANGEMENT BY WHICH AN ELECTRICAL CIRCUIT IS COMPLETED OR INTERRUPTED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFMDDAC*)

REPLY CODE

AF
AH
AC
AG
AB

REPLY (AC98)

DOUBLE POLE DOUBLE THROW
DOUBLE POLE SINGLE THROW
SINGLE POLE DOUBLE THROW
SINGLE POLE SINGLE THROW
THREE POLE SINGLE THROW

NOTE FOR MRCS CSSN AND CRCQ: IF THE SOURCE DOCUMENT SPECIFIES A SINGLE VALUE OR VALUE ADJUSTABLE IN STEPS, REPLY TO MRC CSSN. IF A RANGE IS SPECIFIED, REPLY TO MRC CRCQ.

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SECTION I

APP Key	MRC	Mode Code	Requirements
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B* (See Note Above)

CSSN	J	LIGHT INTENSITY SETTING AND FUNCTION
------	---	--------------------------------------

Definition: THE INTENSITY OF LIGHT AT WHICH THE ITEM IS SET AND ITS FUNCTION.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. For multiple replies use AND condition coding (\$\$) entering a reply for each step (e.g., CSSNJBK20.0*; CSSNJBK10.0\$\$JBK20.0*)

For items indicating footcandles see Appendix C, Table 2 for conversion.

Table 1

REPLY CODE

B

C

REPLY (AP25)

ACTUATION

DEACTUATION

Table 2

REPLY CODE

K

X

REPLY (AE28)

FOOTCANDLE

LUX

B* (See Note Preceding MRC CSSN)

CRCQ	J	LIGHT INTENSITY RANGE AND FUNCTION
------	---	------------------------------------

Definition: THE MINIMUM AND MAXIMUM VALUES OF THE LIGHT INTENSITY AND THE FUNCTION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric values, separated by a slash. Precede each value with a P. (e.g., CRCQJBKP20.0/P25. 0*; CRCQJBKP20.0/P25.0\$\$JCKP20.0/P45.0*)

For continuously variable actuation types, enter the minimum and maximum values of the range.

For items indicating footcandles, see Appendix C, Table 2 for conversion.

Table 1

REPLY CODE

B

C

REPLY (AP25)

ACTUATION

DEACTUATION

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SECTION I

APP Key	MRC	Mode Code	Requirements
------------	-----	--------------	--------------

Table 2

REPLY CODE

K

X

REPLY (AE28)

FOOTCANDLE

LUX

A*, B*, C*, D*, E*

AXHR	J	MOUNTING FACILITY TYPE AND QUANTITY
------	---	-------------------------------------

Definition: INDICATES THE TYPE AND NUMBER OF FACILITIES BY WHICH THE ITEM IS MOUNTED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3, followed by the quantity. (e.g., AXHRJABH4*; AXHRJAEL1\$\$JBRA2*; AXHRJAEL2\$JBRD2*)

NOTE FOR MRC CBBL: DO NOT USE MODE CODE E TO RECORD FEATURES NOT LISTED IN REPLY TABLE; USE MRC FEAT.

ALL* (See Note Above)

CBBL	D	FEATURES PROVIDED
------	---	-------------------

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CBBLDAXT*; CBBLDAXS\$\$DAXT*)

REPLY
CODE

AXS

AXT

ANK

AXW

REPLY (AN47)

ADJUSTABLE LIGHT INTENSITY ACTUATION
CONTROL

FLASHER UNIT

INTERNAL BATTERY ACCOMMODATION

WIRING PROVISION

ALL*

FEAT	G	SPECIAL FEATURES
------	---	------------------

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SECTION I

APP Key	MRC	Mode Code	Requirements
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Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*

TEST	J	TEST DATA DOCUMENT
------	---	--------------------

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321\$\$JB5556A-663654*;

TESTJAA2345-654321\$JB55566-663654*)

REPLY
CODE

REPLY (AC28)

- | | |
|---|--|
| A | SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.) |
| B | STANDARD (Includes industry or association standards, individual manufacturer standards, etc.) |
| C | DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing) |

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SECTION I

APP Key	MRC	Mode Code	Requirements
------------	-----	--------------	--------------

ALL*

SPCL	G	SPECIAL TEST FEATURES
------	---	-----------------------

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK	J	SPECIFICATION/STANDARD DATA
------	---	-----------------------------

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B\$\$JP80205-NAS1103*)

REPLY
CODE

S
T

REPLY (AN62)

GOVERNMENT SPECIFICATION
GOVERNMENT STANDARD

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SECTION I

APP Key	MRC	Mode Code	Requirements
		D	MANUFACTURERS SOURCE CONTROL
		R	MANUFACTURERS SPECIFICATION
		N	MANUFACTURERS SPECIFICATION CONTROL
		M	MANUFACTURERS STANDARD
		B	NATIONAL STANDARD/SPECIFICATION
		A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
		P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 4, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1\$\$JSTA*; ZZZTJTY1\$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

ALL*

ZZZX G DEPARTURE FROM CITED DESIGNATOR

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SECTION I

APP Key	MRC	Mode Code	Requirements
<p>Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.</p> <p>Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)</p>			
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
<p>Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.</p> <p>Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)</p>			
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
<p>Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.</p> <p>Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL\$\$ASURF*)</p> <p>Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.</p>			
NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.			
ALL* (See Note Above)			
	PRPY	A	PROPRIETARY CHARACTERISTICS

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SECTION I

APP Key	MRC	Mode Code	Requirements
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Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding (\$\$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL\$ASURF*)

ALL*

ELRN	G	EXTRA LONG REFERENCE NUMBER
------	---	-----------------------------

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

NHCF	D	NUCLEAR HARDNESS CRITICAL FEATURE
------	---	-----------------------------------

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

Reply Instructions: Enter the Reply Code from the table below. (e.g., NHCFCY*)

SECTION I

APP Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u> CY	<u>REPLY (AD05)</u> HARDENED

ALL*

ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION
------	---	---------------------------------------

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

<u>REPLY</u>	<u>REPLY (AN58)</u>
<u>CODE</u>	
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION III

APP Key	MRC	Mode Code	Requirements
ALL			
	AFMC	D	FLASHER UNIT ACCOMMODATION TYPE
<p>Definition: INDICATES THE TYPE OF ACCOMMODATION INCLUDED FOR THE FLASHER UNIT.</p> <p>Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFMCDD*)</p>			
		<u>REPLY CODE</u>	<u>REPLY (AD15)</u>
		C	INTEGRAL
		D	SEPARATE

ALL

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SECTION I

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

AGAV	G	END ITEM IDENTIFICATION	
------	---	-------------------------	--

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

ALL

CBME	J	CUBIC MEASURE
------	---	---------------

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CBMEJCN48.000*)

<u>REPLY CODE</u>	<u>REPLY (AN76)</u>
CC	CUBIC CENTIMETERS
CF	CUBIC FEET
CN	CUBIC INCHES
CM	CUBIC METERS

ALL

PKDW	J	PACKAGED UNIT WEIGHT
------	---	----------------------

Definition: THE MEASURED WEIGHT OF AN ITEM OF SUPPLY AND ITS CONTAINER.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., PKDWJLB3.500*; PKDWJKG2.580*)

For items indicating pounds and ounces, see Appendix C, Table 3 for conversion.

<u>REPLY CODE</u>	<u>REPLY (AN75)</u>
KG	KILOGRAMS
LB	POUNDS

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SECTION I

APP
Key MRC Mode Code Requirements

ALL

BBRG D STORAGE TYPE

Definition: INDICATES THE TYPE OF STORAGE SPACE REQUIRED FOR AN ITEM IN ORDER TO PROVIDE THE DEGREE OF PROTECTION NECESSARY TO MAINTAIN SERVICEABILITY STANDARDS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g ., BBRGDAD*; BBRGDAD\$DAM*)

<u>REPLY CODE</u>	<u>REPLY (AM81)</u>
AC	CLOSED SHED
AD	CONTROLLED HUMIDITY WAREHOUSE
AM	DEHUMIDIFIED WAREHOUSE
AE	GENERAL PURPOSE WAREHOUSE
AN	HEATED WAREHOUSE
AH	OPEN SHED
AJ	UNHEATED WAREHOUSE

ALL

AFJN D FRAGILITY FACTOR

Definition: THE MEASURE OF SENSITIVITY OF THE ITEM TO BE PACKAGED. A FACTOR USED BY PACKAGING ENGINEERS IN DEVISING PROPER CUSHIONING IN A PACKAGE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJNDE*)

<u>REPLY CODE</u>	<u>REPLY (AD40)</u>
D	DELICATE
B	EXTREMELY FRAGILE
E	MODERATELY DELICATE
F	MODERATELY RUGGED
G	RUGGED
C	VERY DELICATE

ALL

ABHP J OVERALL LENGTH

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SECTION I

APP
Key MRC Mode Code Requirements

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA3.500*; ABHPJLA2.5*; ABHPJAB2.250\$\$JAC3.750*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB1.250\$\$JAC3.000*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

ABKW J OVERALL HEIGHT

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SECTION I

APP
Key MRC Mode Code Requirements

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB0.50 0\$\$JAC1.250*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

SUPP G SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

ZZZP J PURCHASE DESCRIPTION IDENTIFICATION

Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) code, followed by a dash and the identifying number of the document.

(e.g., ZZZPJ81337-30642A*)

ALL

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SECTION I

APP
Key

MRC

Mode Code

Requirements

ZZZV

G

FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

ALL

CXCY

G

PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text.

(e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

ALL

HZRD

D

HAZARDOUS SUBSTANCES

Definition: THE SUBSTANCES AND/OR MATERIALS CONTAINED IN THE ITEM THAT HAVE BEEN IDENTIFIED AS HAZARDOUS OR ENVIRONMENTALLY DAMAGING BY THE ENVIRONMENTAL PROTECTION AGENCY OR OTHER AUTHORIZED GOVERNMENT AGENCY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., HZRDDHAZ052*; HZRDDHAZ011\$\$DHAZ052*)

REPLY CODE

HAZ008

HAZ011

HAZ029

HAZ052

REPLY (HZ00)

CADMIUM

CHROMIUM

LEAD

ZINC

FIG A076
SECTION I

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Table 1 - MATERIALS
MATERIALS

<u>REPLY CODE</u>	<u>REPLY (MA01)</u>
ALA000	ALUMINUM
ALB000	ALUMINUM ALLOY
AL5052	ALUMINUM ALLOY 5052
AL6061	ALUMINUM ALLOY 6061
A	ANY ACCEPTABLE
CUB000	COPPER ALLOY
FEA000	IRON
FEB000	IRON CAST
MTC000	METAL
PCA000	PLASTIC
PCN000	PLASTIC PHENOLIC
STA000	STEEL
ST1010	STEEL COMP 1010
ST1020	STEEL COMP 1020
ST1141	STEEL COMP 1141
STB000	STEEL CORROSION RESISTING
	Steel Stainless (use Reply Code STB000)
ZNB000	ZINC
ZNA000	ZINC ALLOY

Table 2 - SURFACE TREATMENTS
SURFACE TREATMENTS

<u>REPLY CODE</u>	<u>REPLY (SF01)</u>
ANA000	ANODIZE
A	ANY ACCEPTABLE
CDA000	CADMIUM
CMA000	CHROMATE
CMB000	CHROMATE ZINC
CRA000	CHROMIUM

<u>REPLY CODE</u>	<u>REPLY (SF01)</u>
CUA000	COPPER
CUB000	COPPER ALLOY
DCA000	DICHROMATE
ENA000	ENAMEL
GFA000	GRAPHITE
MTC000	INDIUM
LQA000	LACQUER
PBA000	LEAD
NLA000	NICKEL
XXA000	OXIDE FILM
PNA000	PAINT
PSA000	PASSIVATE
PHA000	PHOSPHATE
SNA000	TIN
ZNA000	ZINC

Table 3 - MOUNTING FACILITIES
MOUNTING FACILITIES

<u>REPLY CODE</u>	<u>REPLY (AM39)</u>
AEL	ADJUSTABLE CLAMP
BQZ	ADJUSTABLE EAR
AAA	ANY ACCEPTABLE
ABC	BRACKET
AEN	CAM FASTENERS
AEP	CAPTIVE FASTENER
AMA	CAPTIVE SCREWS
ABH	CLAMP
ACR	FLANGE
AEY	FOOT
BRA	NONADJUSTABLE CLAMP
BRB	NONADJUSTABLE EAR
BGA	NUT
ASL	PEDESTAL
BRC	PIPE TEE
ABY	SLOT
AFA	THREADED BUSHING
AHF	THREADED HOLE
AHD	TWIST LOCK
BRD	UNIVERSAL STRAP
ACQ	UNTHREADED HOLE

Table 4 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
-------------------	---------------------

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APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 5 - TERMINAL TYPES
TERMINAL TYPES

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APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AN89)</u>
AAA	ANY ACCEPTABLE
ABL	BINDING POST
AJN	CONNECTOR
ACN	CONNECTOR, PLUG
AAF	CONNECTOR, RECEPTACLE
AFL	CRIMP
	Crimp and Solder (use REPLY CODE AFL \$\$ AKB)
	Female Plug (use REPLY CODE AAF)
AGF	LINE CORD
	Line Cord With Plug (use REPLY CODE AGF \$\$ AFH)
	Lug (use REPLY CODE AEK)
AJX	PIGTAIL
AFH	PLUG
	Plug In (Nondefinitive)
AKR	RECEPTACLE
	Snap-In (Nondefinitive)
	Snap-On (Nondefinitive)
AKB	SOLDER
AFF	SOLDER LUG
	Solder Part (use Specific)
AKS	SOLDER THIMBLE
AEK	SOLDERLESS LUG
AJA	STUD
AGX	TERMINAL BLOCK W/SCREWS
ABJ	WIRE BRAID
ACC	WIRE LEAD

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APPENDIX B

REFERENCE DRAWING GROUP A Tables
CONTROL, DIRECTIONAL SIGNAL LIGHT, AUTOMOTIVE

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.
(e.g., ABRYJAA4.000*; ABRYJLA25.4*; ABRYJAB3.750\$\$JAC4.250*)

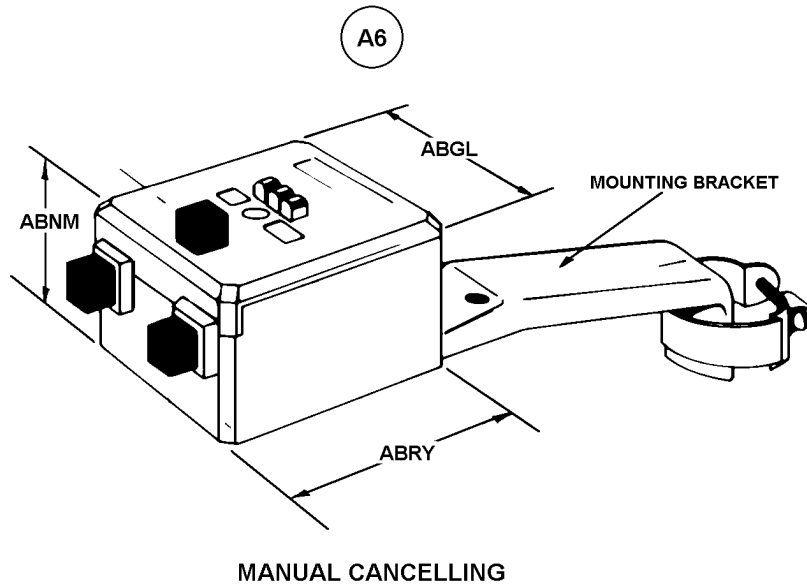
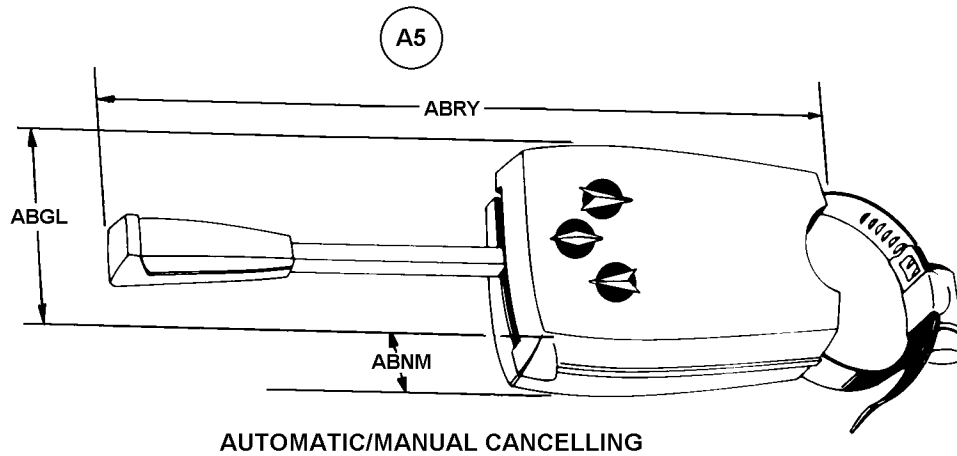
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

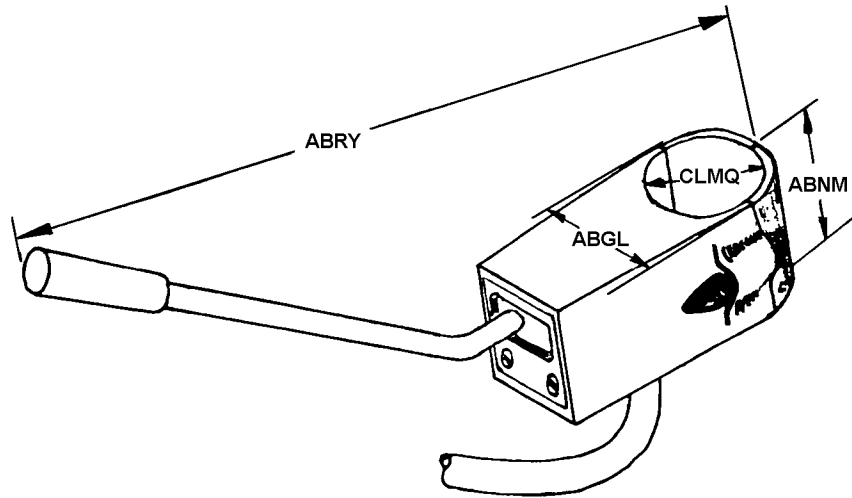
<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
ABGL	J	WIDTH
ABNM	J	THICKNESS
ABRY	J	LENGTH
CLMQ	J	MOUNTING FACILITY DIAMETER

REFERENCE DRAWING GROUP A

CONTROL, DIRECTIONAL SIGNAL LIGHT, AUTOMOTIVE

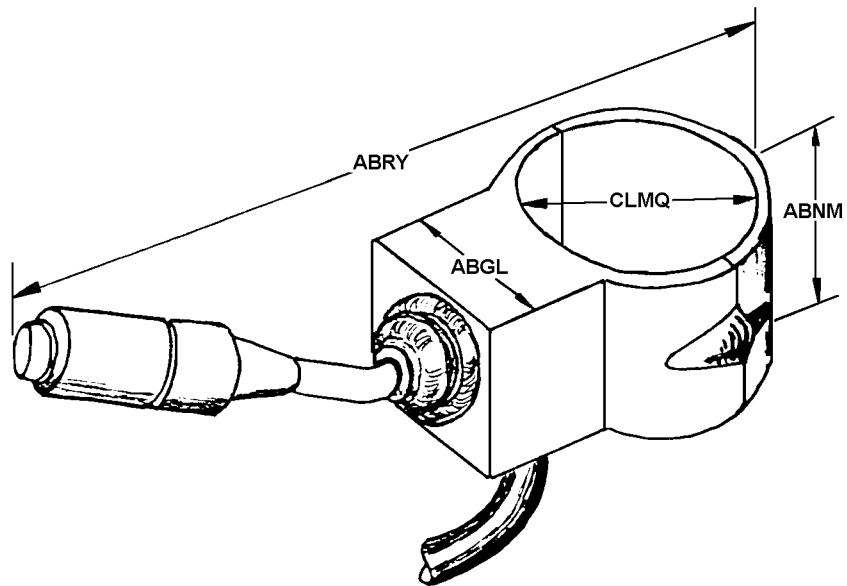


A10



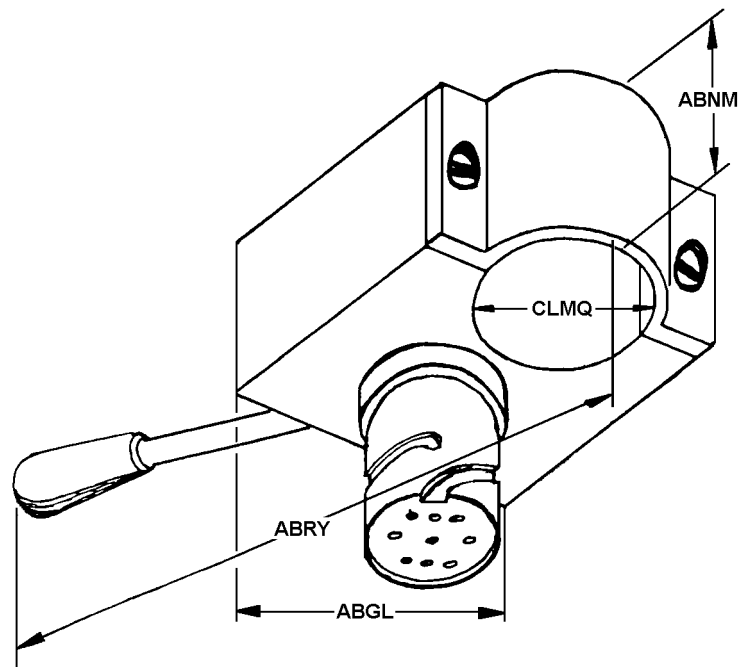
AUTOMATIC AND MANUAL COMBINED

A11



AUTOMATIC AND MANUAL COMBINED

A12



AUTOMATIC AND MANUAL COMBINED

REFERENCE DRAWING GROUP B Tables
CONTROL, ELECTRIC LIGHT

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.
(e.g., ABKVJAA4.000*; ABKVJLA25.4*; ABKVJAB3.750\$\$JAC4.250*)

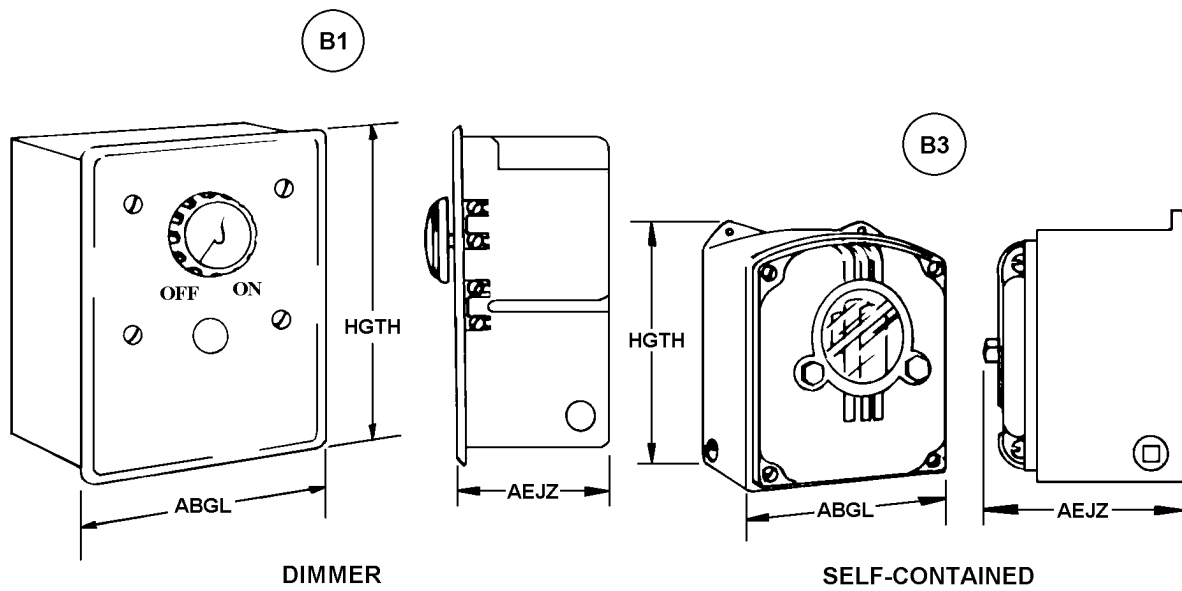
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

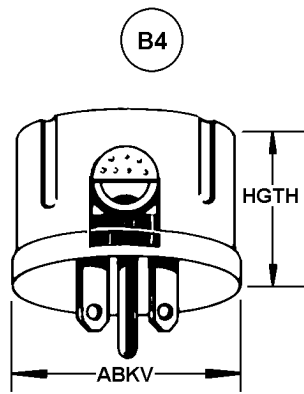
<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
ABGL	J	WIDTH
ABKV	J	OUTSIDE DIAMETER
AEJZ	J	DEPTH
HGTH	J	HEIGHT

REFERENCE DRAWING GROUP B

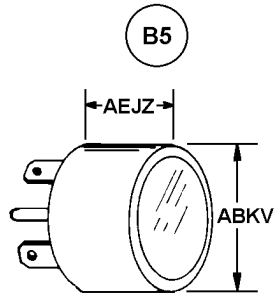
CONTROL, ELECTRIC LIGHT



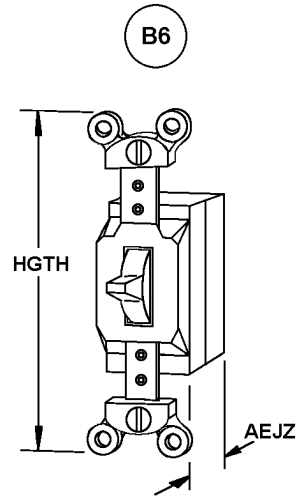
FIIG A076
APPENDIX B



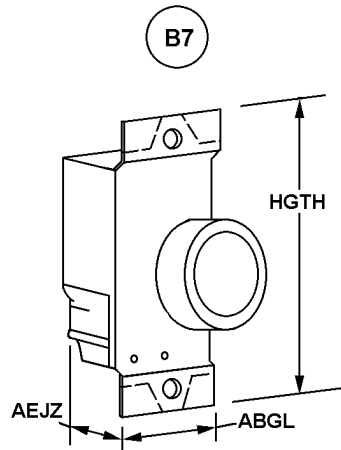
PLUG-IN PHOTOCELL



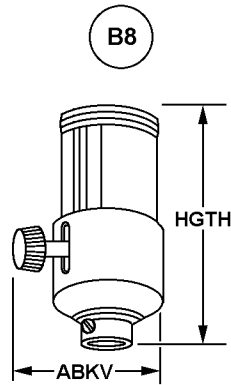
WATT HOUR METER
PLUG-IN PHOTOCELL



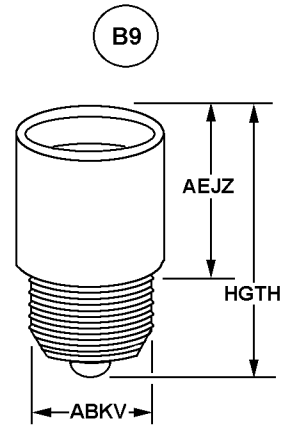
HI-LOW SWITCH



PUSH-ON SWITCH



FULL RANGE
DIMMER SWITCH



LIFE SAVER
SOCKET ADAPTER

FIIG A076
APPENDIX B

REFERENCE DRAWING GROUP C Tables
CONTROL, LIGHT BEAM

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.
(e.g., AEJZJAA4.000*; AEJZJLA25.4*; AEJZJAB3.750\$\$JAC4.250*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

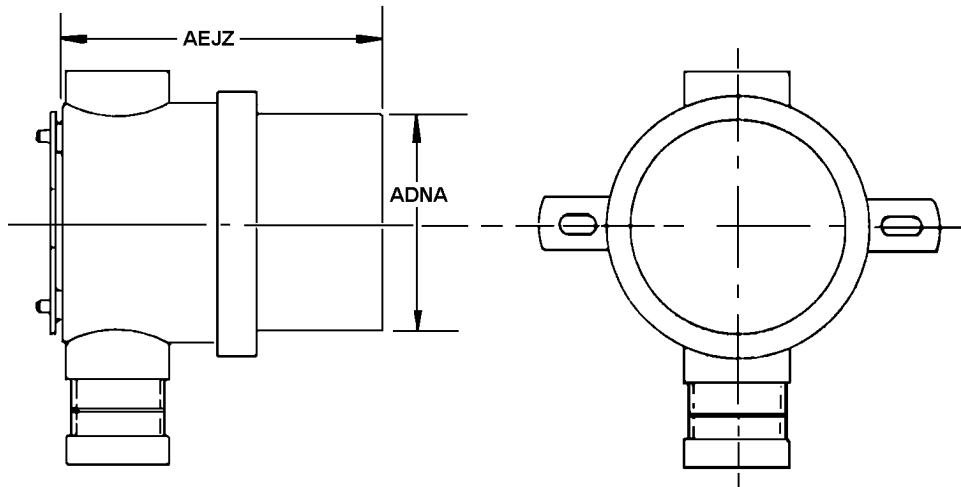
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
ADNA	J	OUTSIDE MINOR DIAMETER
AEJZ	J	DEPTH

REFERENCE DRAWING GROUP C

CONTROL, LIGHT BEAM

C1



LIGHT BEAM

REFERENCE DRAWING GROUP D Tables
CONTROL, NAVIGATIONAL LIGHT

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.
(e.g., ABGLJAA4.000*; ABRYJLA25.4*; ABRYJAB3.750\$\$JAC4.250*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

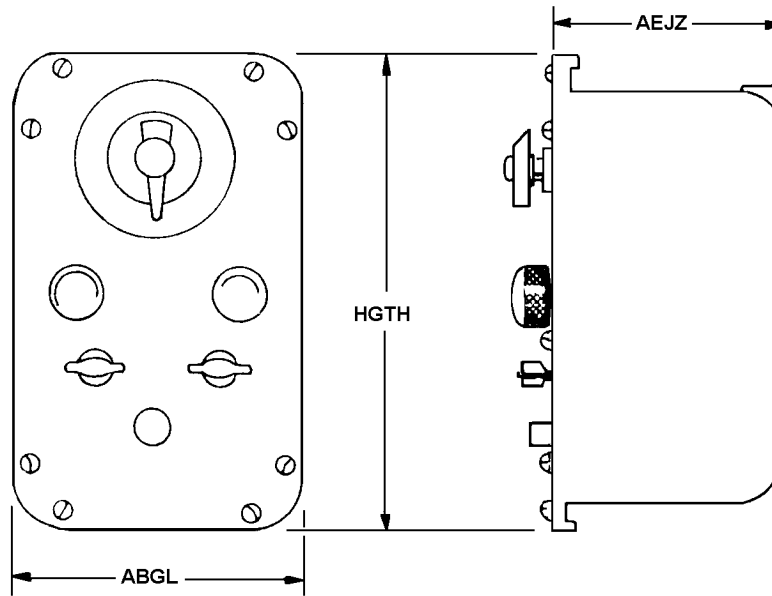
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
ABGL	J	WIDTH
ABRY	J	LENGTH
AEJZ	J	DEPTH
HGTH	J	HEIGHT

REFERENCE DRAWING GROUP D

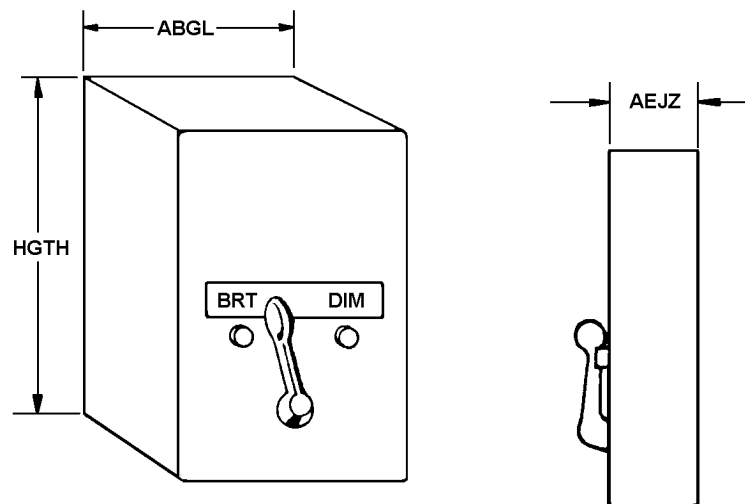
CONTROL, NAVIGATIONAL LIGHT

D1



LIGHT ADJUSTMENT

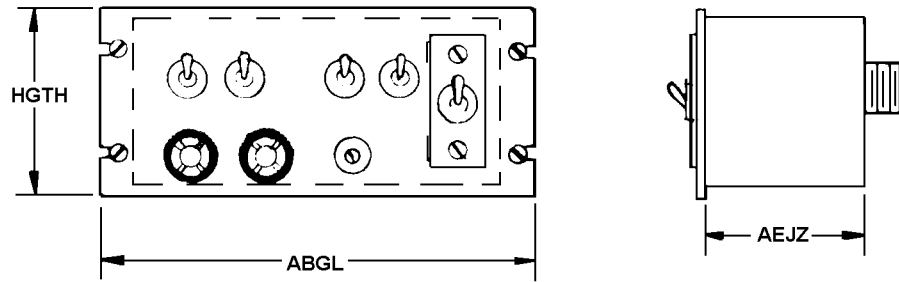
D2



INTENSITY ADJUSTMENT

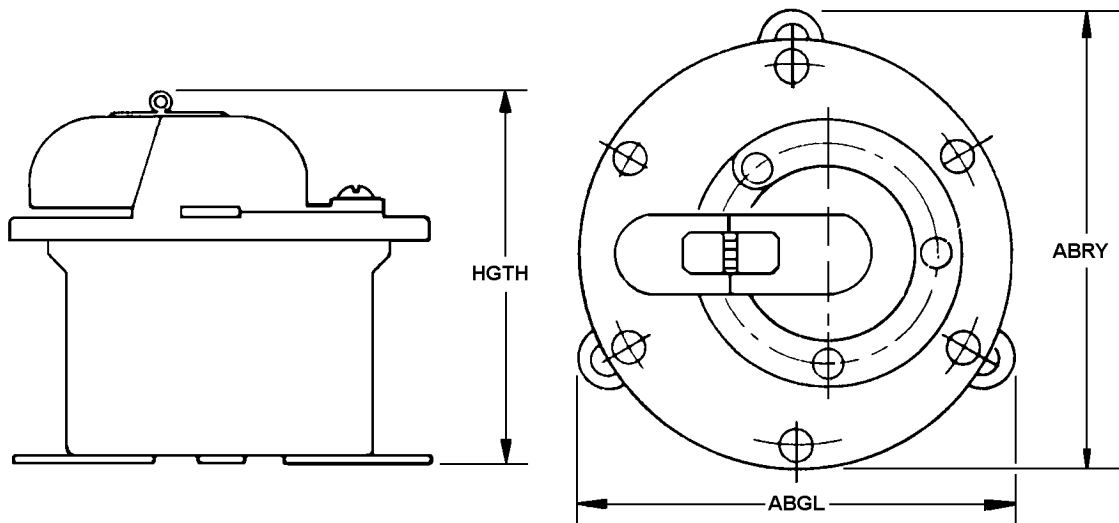
FIG A076
APPENDIX B

D3



LIGHT ADJUSTMENT

D4



SIGNALING KEY

REFERENCE DRAWING GROUP E Tables
CONTROL, SEARCHLIGHT

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.
(e.g., ABGLJAA4.000*; ABGLJLA25.4*; ABGLJAB3.750\$\$JAC4.250*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

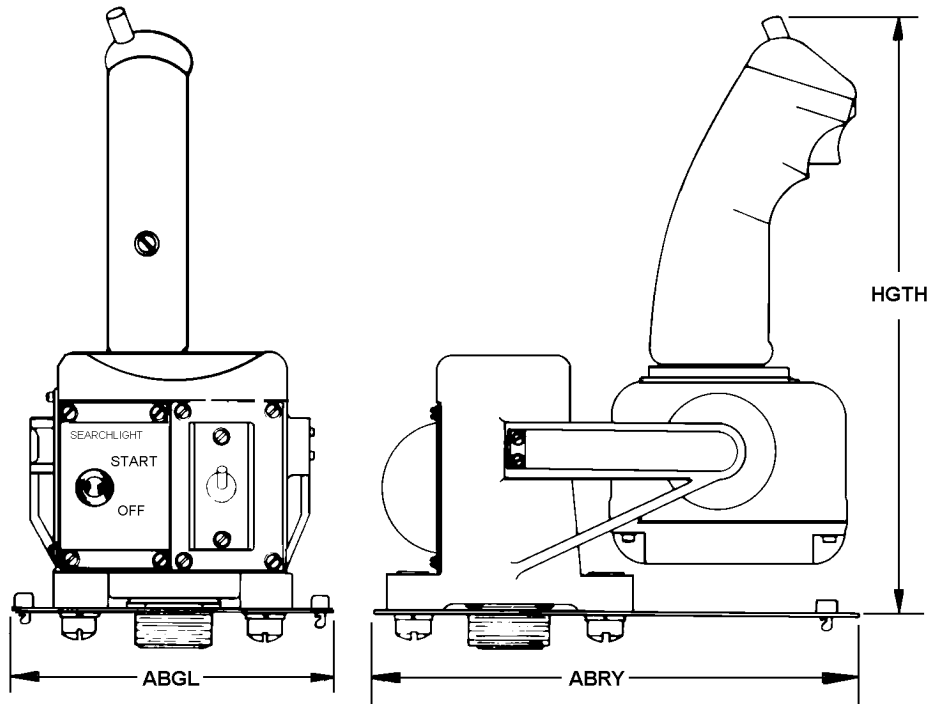
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
ABGL	J	WIDTH
ABRY	J	LENGTH
HGTH	J	HEIGHT

REFERENCE DRAWING GROUP E

CONTROL, SEARCHLIGHT

E1



HAND-GRIP

Technical Data Tables

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FOOTCANDLE POWER CONVERSION CHART.....	53
OUNCE TO DECIMAL OF A POUND CONVERSION CHART	53

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APPENDIX C

STANDARD FRACTION TO DECIMAL CONVERSION CHART

<u>4ths</u>	<u>8ths</u>	<u>16ths</u>	<u>32nds</u>	<u>64ths</u>	<u>To 3</u>	<u>To 4</u>	<u>4ths</u>	<u>8ths</u>	<u>16ths</u>	<u>32nds</u>	<u>64ths</u>	<u>To 3</u>	<u>To 4</u>
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	-----	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	-----	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	-----	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	-----	.219	.2188				23/32	-----	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	-----	.281	.2812				25/32	-----	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	-----	.344	.3438				27/32	-----	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	-----	.406	.4062				29/32	-----	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	-----	.469	.4688				31/32	-----	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

FOOTCANDLE POWER CONVERSION CHART

1 FOOTCANDLE = 10.76 LUX

Lumen to Footcandles: Multiply by 0.0929

Phot to Footcandles: Multiply by 929.0

For conversion of lumens rating to candlepower rating, divide lumens rating by 12.57.

Footcandle (One lumen/square foot)

Lux (one lumen/square meter)

Phot (one lumen/square centimeter)

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

<u>OUNCES</u>	<u>POUNDS</u>
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

FIIG Change List

FIIG Change List Effective December 4, 2009.

Deleted Secondary Address coding from MRC CSSN and replaced with AND \$\$ coding.